

HALLIBURTON

iCem[®] Service

BILL BARRETT CORPORATION E-BILL

Date: Sunday, June 08, 2014

Anschutz Equus Farms 04-62-09-1724CH2

Case 1

Sincerely,
Mark Dean & Crew

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1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Anschutz Equus Farms 04-62-09-1724CH2** cement **Surface** casing job. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

Halliburton [Brighton]

1.2 Cementing Job Summary

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 3361113	Quote #:	Sales Order #: 0901411653							
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: Charlie Brown								
Well Name: ANSCHUTZ EQUUS FARMS	Well #: 4-62-9-1724C H2	API/UWI #: 05-123-39050-00								
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: WELD	State: COLORADO							
Legal Description: SW NW-9-4N-62W-1324FNL-250FWL										
Contractor: CADE DRLG		Rig/Platform Name/Num: CADE 24								
Job BOM: 7521										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HX46524		Srvc Supervisor: Mark Dean								
Job										
Formation Name										
Formation Depth (MD)	Top	Bottom								
Form Type		BHST								
Job depth MD	847ft	Job Depth TVD								
Water Depth		Wk Ht Above Floor 3 ft								
Perforation Depth (MD)	From	To								
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	8.835	40		J-55	0	824		
Open Hole Section			13.75				0	824		
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make		
Guide Shoe	9.625	1		824	Top Plug	9.625	1	HES		
Float Shoe	9.625	1			Bottom Plug	9.625	0	HES		
Float Collar	9.625	1			SSR plug set	9.625	1	HES		
Insert Float	9.625	1			Plug Container	9.625	1	HES		
Stage Tool	9.625	1			Centralizers	9.625	1	HES		
Miscellaneous Materials										
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc				
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty				
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water Spacer	Fresh Water Spacer	20	bbl	8.33					
Stage/Plug #: 2										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Tail Cement	SWIFTCM (TM) SYSTEM	345	sack	14.2	1.54		6	7.64	

7.64 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft³/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Displacement	Displacement	63	bbl	8.33				
Cement Left in Pipe	Amount	27 ft		Reason	Shoe Joint				
Comment									

Planned Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	2.00	20.0 bbl	10.0 bbl
1	2	Cement Slurry	SwiftCem B2	14.2	3.00	345.0 sacks	372.0 sacks

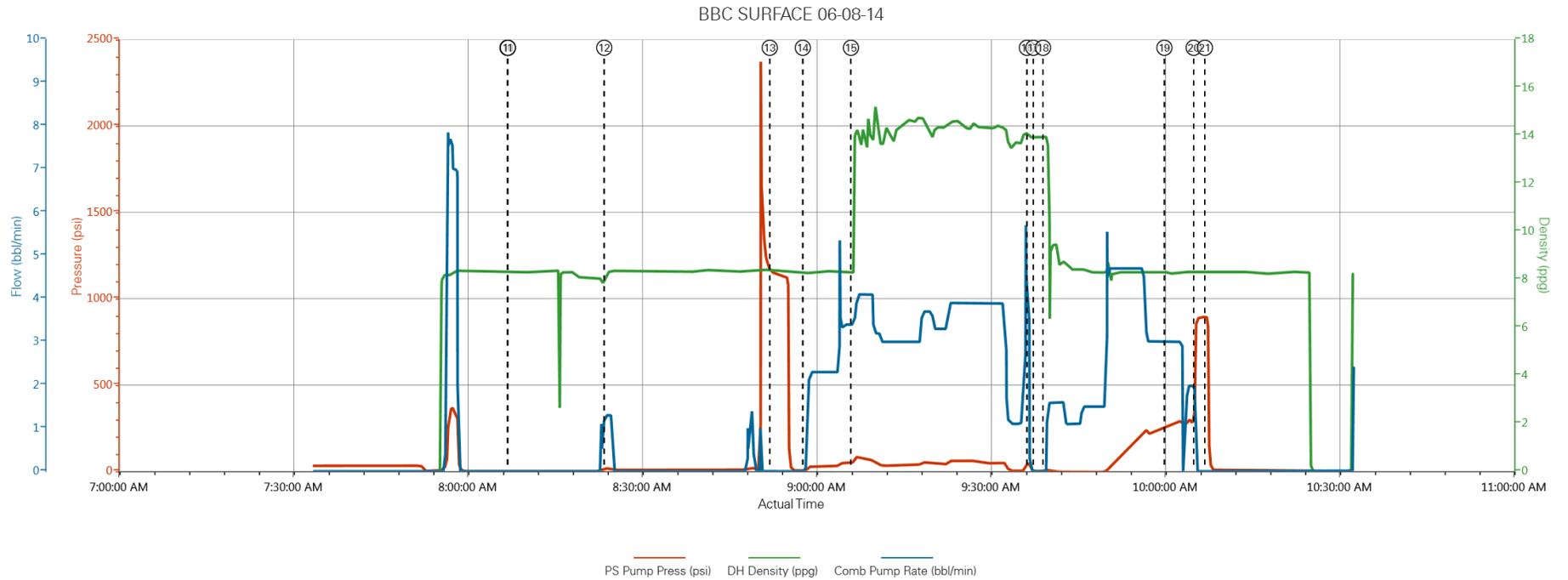
1.3 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Pass-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Comment
Event	1	Call Out	Call Out	6/7/2014	22:00:13	USER				Crew called @ 22:00
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	6/8/2014	03:00:14	USER				Discussed load checks, planned route and safe driving
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	6/8/2014	03:30:15	USER				Late departure due to expired SMM permit on loaded 660. Had to transfer CMT into a different truck.
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	6/8/2014	06:30:16	USER				Directions led to road closure @ CR 87. Lost extra 1.5 hrs due to road closure. Requested on loc @ 04:30
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	6/8/2014	06:40:17	USER				Rig on bottom circulating 310 GPM since midnight.
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	6/8/2014	06:45:18	USER				Discussed PPE, spotting, layout and other hazards
Event	7	Rig-Up Equipment	Rig-Up Equipment	6/8/2014	06:50:19	USER				Rigged up safely
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	6/8/2014	08:07:13	USER		8.34		Discussed Job procedure with Customer & Crew
Event	9	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down)	6/8/2014	08:07:15	USER		8.38		Discussed trapped pressure and other hazards
Event	10	Rig-Down Equipment	Rig-Down Equipment	6/8/2014	08:07:16	USER		8.38		Rigged down safely
Event	11	Depart Location for Service Center or Other Site	Depart Location for Service Center	6/8/2014	08:07:17	USER		8.38		Job completed safely by M. Dean &
Event	12	Start Job	Start Job	6/8/2014	08:23:51	COM1		8.36		Primed pump and lines. Waited on Rig to swap out bad hose on flow line.
Event	13	Test Lines	Test Lines	6/8/2014	08:52:20	COM1	1152.00	8.38		Tested lines to 1000 psi (pressure held)

Event	14	Pump Spacer 1	Pump Water	6/8/2014	08:58:01	COM1	3.00	8.28	0.00	Pumped 20 bbl of fresh water spacer ahead
Event	15	Pump Lead Cement	Pump Lead Cement	6/8/2014	09:06:18	COM1	50.00	14.2	3.40	Pumped 94 bbl of CMT @ 14.2# (345 sks)
Event	16	Shutdown	Shutdown	6/8/2014	09:36:34	USER	48.00		2.20	Shutdown to drop top plug
Event	17	Drop Top Plug	Drop Top Plug	6/8/2014	09:37:41	USER				Released top plug
Event	18	Pump Displacement	Pump Displacement	6/8/2014	09:39:21	COM1	3.00	8.33		Pumped 63 bbl of fresh water displacement
Event	19	Cement Returns to Surface	Cement Returns to Surface	6/8/2014	10:00:14	USER	268.00	8.32	3.00	4 bbl of CMT returned to Surface
Event	20	Bump Plug	Bump Plug	6/8/2014	10:05:16	COM1	861.00	8.31		Bumped plug @ 280 psi (500 over)
Event	21	Check Floats	Check Floats	6/8/2014	10:07:12	USER	893.00	8.31		.5 bbl back to truck (Floats Held)

2.0 Custom Graphs

2.1 Custom Graph



ment n/a,n/a,n/a ⑩ Post-Job Safety Meeting (Pre Rig-Down) -1,8.38,0 ⑪ Depart Location for Service Center -1,8.38,0 ⑫ Test Lines 1152,8.38,0 ⑬ Pump Lead Cement 50,8.35,3.4 ⑭ Drop Top Plug 1,13.97,0 ⑮ Cement Returns to Surface 268,8.32,3 ⑯ Check Floats 893,8.31,0
 y Meeting -1,8.34,0 ⑰ Rig-Down Equipment -1,8.38,0 ⑱ Start Job 20,8.36,1.3 ⑲ Pump Water 3,8.28,0 ⑳ Shutdown 48,13.88,2.2 ㉑ Pump Displacement 1,13.98,0 ㉒ Bump Plug 861,8.31,0

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Customer: BILL BARRETT CORPORATION E-BILL	Job Date: 6/8/2014 7:32:59 AM	Well: 04-62-09-1724CH2
Representative: Charlie Brown	Sales Order #: 901411653	Red Tiger #: 11542778

